Electronic Version
Stylesheet Version v1.1.1

ACTIVE NIGHT VISION WITH ADAPTIVE IMAGING

Abstract

A vision system for a vehicle includes a light source generating an illumination beam, a receiver having a pixel array for capturing an image in response to at least a reflected portion of the illumination beam, the image corresponding to a first horizontal field of view (FOV) angle, and a controller coupled to the light source and the receiver. The controller receives a vehicle speed input and, in response, selects a portion of the image as a non-linear function of the vehicle speed to generate a second horizontal FOV angle for displaying to the vehicle operator. The displayed angular FOV decreases, non-linearly, as the vehicle speed increases.